

Appln No. 09/866,546
Amdt date September 22, 2004
Reply to Office action of June 22, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) A method for controlling and managing wireless network access for a wireless communication device, comprising the steps of:

sequentially attempting to determine whether communications may be established with at least one of a plurality of wireless networks;

selecting at least one of the wireless networks; and
establishing communications between the wireless communication device and at least one selected wireless network.

2. (Original) A multi-mode controller for controlling and managing network access for a wireless communication device, comprising:

a network detector for sequentially attempting to determine whether communications may be established with at least one of a plurality of wireless networks;

a network selector for selecting at least one of the wireless networks; and

a connection manager for establishing communications between the wireless communication device and at least one selected wireless network.

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3. (Original) A dual-mode controller for controlling and managing access to Bluetooth and HomeRF networks, comprising:

a network scanner for sequentially performing Bluetooth network scans and HomeRF network scans;

a network selector for selecting a Bluetooth network or a HomeRF network; and

a connection manager for establishing a connection with the selected Bluetooth or HomeRF network.

4. (Original) A method for controlling and managing access to Bluetooth and HomeRF networks, comprising the steps of:

sequentially performing Bluetooth network scans and HomeRF network scans;

notifying a user of availability of a Bluetooth network or a HomeRF network;

selecting a Bluetooth network or a HomeRF network according to user input; and

establishing a connection with the selected Bluetooth or HomeRF network.

5. (Original) The method of claim 4 further comprising the step of using common radio circuitry for communications to Bluetooth and HomeRF networks.

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6. (Original) A dual-mode controller for controlling and managing access to Bluetooth and 802.11b networks, comprising:

a network scanner for sequentially performing Bluetooth network scans and 802.11b network scans;

a network selector for selecting a Bluetooth network or an 802.11b network; and

a connection manager for establishing a connection with the selected Bluetooth or 802.11b network.

7. (Original) A method for controlling and managing access to Bluetooth and 802.11b networks, comprising the steps of:

sequentially performing Bluetooth network scans and 802.11b network scans;

notifying a user of availability of a Bluetooth network or an 802.11b network;

selecting a Bluetooth network or an 802.11b network according to user input; and

establishing a connection with the selected Bluetooth or 802.11b network.

8. (Original) The method of claim 7 further comprising the step of using common radio circuitry for communications to Bluetooth and 802.11b networks.

9. (New) The method of claim 1 comprising sequentially scanning a first network and a second network.

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10. (New) The method of claim 1 comprising scanning a first network during a first scanning window and scanning a second network during a second scanning window.

11. (New) The method of claim 10 wherein the first scanning window comprises a first predefined time period and the second scanning window comprises a second predefined time period.

12. (New) The method of claim 11 wherein the first predefined time period is equal to the second predefined time period.

13. (New) The method of claim 10 comprising performing multiple scans during the first scanning window and performing multiple scans during the second scanning window.

14. (New) The method of claim 13 wherein each scan is performed for a predefined time period.

15. (New) The multi-mode controller of claim 2 wherein the network detector is configured to sequentially scan a first network and a second network.

16. (New) The multi-mode controller of claim 2 wherein the network detector is configured to scan a first network

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during a first scanning window and scan a second network during a second scanning window.

17. (New) The multi-mode controller of claim 16 wherein the first scanning window comprises a first predefined time period and the second scanning window comprises a second predefined time period.

18. (New) The multi-mode controller of claim 17 wherein the first predefined time period is equal to the second predefined time period.

19. (New) The multi-mode controller of claim 16 wherein the network detector is configured to perform multiple scans during the first scanning window and perform multiple scans during the second scanning window.

20. (New) The multi-mode controller of claim 19 wherein each scan is performed for a predefined time period.